



## SAFETY DATA SHEET

FREEZONE RATSHOT G QUICKSHOT RODENTICIDE APVMA Approval No.  
84215

### SECTION 1. IDENTIFICATION

Product name: FREEZONE RATSHOT G QUICKSHOT RODENTICIDE APVMA Approval No. 84215

Recommended Use: Ready for use rodenticide containing 50ppm Brodifacoum.

Restrictions on Use: None specified.

Supplier of SDS: Freezone Public Health Pty Ltd

Supplier Address: 18 Gilpin Street  
Shorncliffe QLD 4017

Supplier Phone: 07 3869 4436

Supplier Fax: 07 3869 4433

Supplier Email: [info@freezone.net.au](mailto:info@freezone.net.au)

Emergency Telephone Number: Craig Jephcott 0412 200 252  
Poisons Information Centre 13 11 26

### SECTION 2. HAZARD(S) IDENTIFICATION

#### Classification of the substance or mixture

Health Hazards: Not Classified

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

#### Label Elements and Precautionary Statements

Hazard Statements: Not Classified

Precautionary Statements:

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

P102 Keep out of reach of children.

P103 Read label before use.

P220 Keep / Store away from foodstuffs, beverages and animal feeding stuffs.

P262 Do not get on skin.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves [Professional users].

P273 Avoid release to the environment.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician. P404 Store in a closed container.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

**SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS**

<p><b>Brodifacoum</b> contains 0.005%                  CAS number: 56073-10-0                  EC number: 259-980-5                  M factor (Acute) = 1                  M factor (Chronic) = 1</p>	<p><b>Classification</b>                  Acute Tox. 1 - H300                  Acute Tox. 1 - H310                  STOT RE 1 - H372                  Aquatic Acute 1 - H400                  Aquatic Chronic 1 - H410</p>
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<p><b>Denatonium Benzoate</b> contains 0.001%                  CAS number: 3734-33                  EC number: 223-095-2</p>	<p><b>Classification</b>                  Acute Tox. 4 - H302                  Acute Tox. 4 - H332                  Skin Irrit. 2 - H315                  Eye Irrit. 2 - H319                  Aquatic Chronic 3 - H412</p>
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Full text for all hazard statements is contained in Section 16.

**SECTION 4. FIRST AID MEASURES****First aid measures**

General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). <b>ADVICE FOR DOCTORS:</b> Brodifacoum is an indirect anticoagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin times not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalizes. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.
Inhalation	Unlikely to present an inhalation hazard as the product is supplied as a solid pellet. Move the exposed person to fresh air. Obtain medical advice immediately.
Ingestion	If swallowed, seek medical advice immediately and show the container or this SDS.
Skin contact	Rinse skin with water. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse eyes with water. Seek medical attention if irritation or symptoms persist.
Protection of first aiders	Use suitable protective equipment for surrounding materials.

**Symptoms caused by exposure**

General information	Severity of the symptoms described will vary depending on the concentration and length of exposure.
Inhalation	No symptoms known.
Ingestion	Rinse mouth. Do not induce vomiting. Call a medical doctor immediately.
Skin contact	May cause irritation to skin.
Eye contact	May cause slight irritation to eyes.

**Medical attention and special treatments**

Notes to the doctor	Treat symptomatically.
Specific treatments	Brodifacoum is an indirect anticoagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin times not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalizes. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

**SECTION 5. FIREFIGHTING MEASURES****Extinguishing media**

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. **DO NOT** use water jet to extinguish fire, this will cause fire to spread.

**Specific hazards arising from the chemical**

Thermal combustion of product may produce harmful gasses or vapours.

**Special protective equipment and precautions for firefighters**

Firefighting precautions	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
Protective equipment	Self-contained breathing apparatus, suitable gloves and boots.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	Wear suitable protective clothing, gloves and eye/face protection. <b>See section 8.</b>
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Clean up methods	Reuse or recycle products wherever possible. Clean up promptly by sweeping. Transfer to a suitable labelled container. Subsequently, wash the contaminated area with water, taking care to prevent the washings entering sewers or drains.

**SECTION 7. HANDLING AND STORAGE**

Precautions for handling	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.
Conditions for safe storage	Keep in a cool, dry, well ventilated area. Keep out of the reach of children. Keep away from food and animal feedstuffs.
Storage precautions	No specific recommendations.

**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure limits**

propane-1,2-diol	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
(Propane-1,2-diol particulates)	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
propane-1,2-diol	WEL 8-hr limit ppm: 150	WEL 8-hr limit mg/m3: 474
(Propane-1,2-diol total vapour and particulates)	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
Whole Wheat Grain	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 10 (grain dust)
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3: 30 (grain dust)

**Exposure controls**

Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific hand protection recommended. Large Spillages: Wear protective gloves.
Hygiene measures	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Wheat Pellets
Colour	Red

Odour	Slight
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Combustible
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.65 – 0.75
Bulk density	No information available.
Solubility(ies)	Immiscible with water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

## SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions when used and stored in accordance with label.
Reactivity	There are no known reactivity hazards associated with this product.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	Heat, sparks and open flames.
Incompatible materials	Oxidising agents.
Hazardous decomposition	Combustion or thermal decomposition will produce toxic and irritant fumes.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation.

### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Based on available data the classification criteria are not met.

### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Based on available data the classification criteria are not met.

### Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

### Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.
<b>Respiratory sensitisation</b>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<b>Skin sensitisation</b>	
Skin sensitisation	Based on available data the classification criteria are not met.
<b>Germ cell mutagenicity</b>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
<b>Reproductive toxicity</b>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity- development	Based on available data the classification criteria are not met.
<b>Specific target organ toxicity</b>	
STOT- single exposure	Not classified as a specific target organ toxicant after a single exposure.
STOT- repeated exposure	Not classified as a specific target organ toxicant after a repeated exposure.
<b>Aspiration hazard</b>	
Aspiration hazard	Not relevant. In solid pellet form.
<b>General information</b>	
Inhalation	No symptoms known.
Ingestion	Ingestion of large amounts could be harmful.
Skin contact	Prolonged contact may cause dryness of the skin and irritation.
Eye contact	May irritate eyes.
Route of entry	Inhalation, ingestion, skin contact or eye contact.
Target organs	None known.
Toxicity of ingredients	

	Oral (Rat) LD50	Dermal (Rat) LD50
Brodifacoum	0.27 mg/kg	7.48 mg/kg
Denatonium Benzoate	584 mg/kg	-

**SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity	Harmful to aquatic organisms and terrestrial vertebrates. Read all precautions before use.
Persistence and degradability	No data available.

Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

### SECTION 13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations. The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.
Disposal of packaging	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

### SECTION 14. TRANSPORT INFORMATION

General	Not classified as dangerous for transport within Australia.
UN number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class(es)	No transport warning sign required.
Packing group	Not applicable.
Environmental hazards	Not known as an environmentally hazardous substance/marine pollutant
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable.

### SECTION 15. REGULATORY INFORMATION

#### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical safety assessment	No chemical safety assessment has been carried out.
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### SECTION 16. OTHER INFORMATION

Revision date	15/02/2018
Revision	1
Supersedes date	-
Complete hazard statements	H300 Fatal if swallowed. H302 Harmful if swallowed. H310 Fatal in contact with skin. H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H372 Causes damage to organs (Blood) through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.